Word Problems Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mixture Homework Goal 7 HW #7

1.. A 45% salt solution was mixed with a 75% salt solution to produce 15 kilograms of a solution that was 67% salt. How much of each was used?

2. How much water was added to 3 L of a 27% boric acid solution to produce a solution that was 18% boric acid?

3. A small vat contains 48 L: of a 5% sulphuric acid solution . How much pure sulphuric acid should be added to make a solution that is 24% pure?

4. Mrs. Johnson operates a soybean farm. She buys many supplies in bulk. Often the bulk products need to be custom mixed before Mrs. Johnson can use them. To apply herbicide to a large field she must mix a solution of 52% herbicide with a solution of 31% herbicide to form 27 liters of a 43% solution. Round your answers to the nearest percent. How much of the 52% solution must she use?

5. Mr. Jones operates a lemon farm. He buys many supplies in bulk. Often the bulk products need to be custom mixed before Mr. Jones can use them. To apply herbicide to a large field he must mix a solution of 17% herbicide with a solution of 62% herbicide to form 101 liters of a 51% solution. Round your answers to the nearest percent. How much of the 62% solution must he use?

6. Mr. Smith operates a wheat farm. He buys many supplies in bulk. Often the bulk products need to be custom mixed before Mr. Smith can use them. To apply herbicide to a large field he must mix a solution of 23% herbicide with a solution of 65% herbicide to form 108 liters of a 34% solution. Round your answers to the nearest percent. How much of the 23% solution must he use?